



STANCOR PUMPS

SE/SV/SS/SC
50 HZ



**Instruction
and
Maintenance
Manual**

INSTRUCTION

This instruction sheet provides you with the information required to safely own and operate your product. Retain these instructions for future reference.

The product you have purchased is of the highest quality workmanship and material, and has been engineered to give you long and reliable service. This product has been carefully tested, inspected, and packaged to ensure safe delivery and operation. Please examine your item(s) carefully to ensure that no damage occurred during shipment. If damage has occurred, please contact the place of purchase. They will assist you in replacement or repair, if required.

READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE, OR SERVICE YOUR PRODUCT. KNOW THE PRODUCT'S APPLICATION, LIMITATIONS, AND POTENTIAL HAZARDS. PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INFORMATION. FAILURE TO COMPLY WITH THESE INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE!

DESCRIPTION

This pump has been evaluated for use with water only. The motor housing contains a lubrication oil to provide cooling for the motor and to lubricate bearings and seals. These pumps are capable of operating with the motor housing partially exposed for extended periods of time, providing sufficient motor cooling and bearing lubrication. However, for the best cooling and longest motor life, the liquid level being pumped should normally be above the top of the motor housing.

SAFETY GUIDELINES



WARNING : RISK OF ELECTRIC SHOCK.

This pump is supplied with a ground-ing conductor or grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding type receptacle.

When a pump is in a basin, etc., do not touch motor, pipes or water until unit is unplugged or shut off. If your installation has water or moisture present, do not touch wet area until all power has been turned off. If shut-off box is not acces-sible, call the electric company to shut off service to the house, or call your local fire department for instructions. Failure to follow this warning can result in fatal electrical shock.

The flexible jacketed cord assembly mounted to the pump must not be modified in any way, with the exception of shortening the cord to fit into a control panel. Any splice between the pump and the control panel must be made within a junction box and mounted outside of the basin, and comply with the National Electrical Code. Do not use the power cord for lifting the pump.

The pump motor is equipped with an automatic resetting thermal protector and may restart unexpectedly. Protector tripping is an indication of motor overload-ing as a result of operating the pump at low heads (low discharge restriction), excessively high or low voltage, inadequate wiring, incorrect motor connections, or a defective motor or pump.

For a submersible well pump :

Reduced risk of electric shock during operation of this pump requires the provision of acceptable grounding :

When the means of connection to the supply-connection box is other than grounded metal conduit, ground the pump back to the service by connecting a copper conductor, at lease the size of the circuit conductors supplying the pump, to the grounding screw provided within the wiring compartment.

This pump is provided with a means for grounding. To reduce the risk of electric shock from contact with adjacent metal parts, bond supply box to the pump-motor-grounding means and to all metal parts accessible at the well head, including metal discharge pipes, metal well casing, and similar parts, by means of :

An equipment-grounding conductor at lease the size of the well-cable conductors, or the equivalent, that runs down the well with the well cable and

A clamp, a weld, or both when required, secured to the equipment-grounding lead, the equipment-grounding terminal, or the ground-ing conductor on the pump housing.

The equipment-grounding lead, when one is provided, is the conductor that has an outer surface of insulation that is green with or without one or more yellow stripes.

For a cord and plug-connected pump :

Risk of electric shock - This pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a proper grounded, grounding type receptacle.

When use as a fountain pump, to reduce the risk of electric shock, use only on portable self-contained fountains no larger than 5 feet in any dimension.

Read all instructions and Safety Guidelines thoroughly. Failure to follow the guidelines and instructions could result in serious bodily injury and/or property damage.

DO NOT USE TO PUMP FLAMMABLE OR EXPLOSIVE FLUIDS SUCH AS GASOLINE, FUEL OIL, KEROSENE, ETC. FAILURE TO FOLLOW THIS WARNING CAN RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.

During normal operation this pump is immersed in water. Also, during rain storms, water may be present in the surrounding area of the pump. Caution must be used to prevent bodily injury when working near the pump. Electrical power should be disconnected prior to touching, servicing or repairing the pump.

Do not run the pump in a dry basin. If the pump is run in a dry basin, the surface temperature of the pump will rise to a high level. This high level could cause skin burns if the pump is touched and will cause serious damage to your pump.
Do not oil the motor. The pump housing is sealed. A high grade dielectric oil devoid of water has been put into the motor housing at the factory. Use of other oil could cause serious electric shock and/or permanent damage to the pump.

Do not install in locations classified as hazardous in accordance with the National Electrical Code, ANSI/NFPA 70.
Do not remove cord and strain relief. Do not connect conduit to pump.

INSTALLATION



For automatic operation, pump must be plugged or wired into a remote float switch or liquid level controller. Installation instructions are included with all our switches and controllers and should be referred to for installation. Installation and servicing shall be conducted by qualified person / people.

Pump will run continuously if plugged directly into an electrical outlet. Care should be taken to prevent pump running in a dry sump. Pump must be installed with local plumbing codes. Pump must be placed on a hard level surface. Never place pump directly on clay, earth or gravel surfaces. Pump can be installed with ABS, PVC, polyethylene or galvanized steel pipe. Proper adapters are required to connect plastic pipe to pump.

Always install a union in the discharge line, just above the sump pit, to allow for easy removal of the pump for cleaning or repair. A check valve must be used in the discharge line to prevent backflow of liquid into the basin. The check valve should be a free-flow valve that will easily pass solids.

CAUTION :

For best performance of check valves, when handling solids install in a horizontal position or at an angle of no more than 45°. Do not install check valve in a vertical position as solids may settle in valve and prevent opening on start-up.

A gate valve should follow the check valve to allow periodic cleaning of the check valve or removal of the pump. The remainder of the discharge line should be as short as possible with a minimum of turns to minimize friction head loss.

Sewage and effluent applications will require a separate sump vent. A connection is provided on top of the sump or cover which must be piped to the existing building vent or extended outside with its own standpipe.

WIRING

Check local electrical and building codes before installation. The installation must be in accordance with their regulations as well as the most recent National Electrical Code (NEC).

Pump should be connected or wired to its own circuit with no other outlets or equipment in the circuit line. Fuses and circuit breaker should be of ample capacity in the electrical circuit.

MAINTENANCE

If pump does not operate properly or trouble cannot be located, consult your pump dealer or take pump to a STANCOR authorized service center.

CAUTION:

When working on pump or switch, always unplug pump power cord in addition to removing or shutting off circuit breaker before working on pump.

CLEANING IMPELLER AND VOLUTE

WARNING:

DO NOT REMOVE THE HEX. CAP SCREWS. THE MOTOR SECTION OF YOUR PUMP IS PERMANENTLY LUBRICATED WITH LUBRICATING OIL AND SEALED AT THE FACTORY. REMOVAL OF THESE SCREWS BY ANYONE OTHER THAN AN AUTHORIZED STANCOR SERVICE CENTER WILL BREAK THIS SEAL AND VOID THE WARRANTY.

Thank you for choose STANCOR Pump

User Manual

STANCOR Submersible Sewage Pumps

INDEX

Introduction	Page. 4	Troubleshooting	Page. 14
Specifications	Page. 4	F.L.A.	Page. 15
Installation	Page. 5	Dimensions	
Electrical wiring	Page. 5	SE/SV	Page. 17
Operation	Page. 6	SS	Page. 18
Maintenance	Page. 6	SC	Page. 19
Disassembly and Assembly	Page. 7		
Nameplate Format	Page. 7		
Material Construction			
SE/SV	Page. 8		
SS	Page. 10		
SC	Page. 12		

Introduction

Check the following points upon receipting your pump:

- > Is the pump exactly what you ordered? Check nameplate. It is especially important that you check whether the pump is to be used with 50 or 60 Hz.
- > Has any damage occurred during shipment? Are any bolts or nuts loose?
- > Have all necessary accessories been supplied? (For a list of standard accessories see Construction page.8)

We recommend that you keep a spare pump on hand in case of emergencies. Keep this instruction manual in a place for future reference.

Specifications

Check the nameplate for your pump's head (HEAD), volume (CAPACITY), speed (R.P.M), motor voltage and current.

Other specifications are noted in the chart as below.

Item		Specifications		
Liquid handled	Type	Sewage, waste water, miscellaneous drain water		
	Temperature	Non-Automation	0.4~7.5 HP	0~40℃ (32~104F)
		Automation	0.4~2 HP	0~40℃ (32~104F)
Materials	Casing	Cast iron / SUS316		
	Impeller	Cast iron	SUS316 stainless steel (optional)	
	Shaft	SUS410 / SUS316 stainless steel		
Motor type		Dry type submersible motor		
Shaft seal lubrication oil		Turbine No.32 ISO VG-32		
Maximum water depth		10m (33ft)		

Installation

1. Check the following before beginning installation.

Insulation resistance measurement:

With the motor and cable (excluding the power supply cable) immersed in water, use a Megger to measure the insulation resistance between ground and each phase of the motor, and again between each phase of the motor. The Megger should indicate an insulation resistance of **not less than 20mega ohms**. While making the measurement, keep the power supply cable off the ground.

We recommend that an auxiliary pump be kept on hand in case of emergency.

2. Installation-

- 1. ! WARNING :** Under no circumstances should cable be pulled while the pump is being transported or installed.
Attach a chain or rope to the grip and install the pump.
2. This pump must not be installed on its side or operated a dry condition. Ensure that it is installed upright on a secure base.
3. Install the pump at a location in the tank where there is the least turbulence.
4. If there is a flow of liquid inside the tank, support the piping where appropriate.
5. Install piping so that air will not be entrapped. If piping must be installed in such a way that air pockets are unavoidable, install an air release valve wherever such air pockets are most likely to develop.
6. Do not permit end of discharge piping to be submerged, as backflow will result when the pump is shut down.
- 7. ! WARNING : Non-automatic pumps** , have an automatic operating system pump operating water level near the minimum operating level as the automatic cut-off switch incorporated inside the motor will be activated. To avoid dry operation, install an automatic operating system, as shown in **Fig-1** and maintain a safe operating water level.
8. For automatic pumps , install the floats as shown in **Fig-2**. The pump may not start if a floats switch touches the wall of the water tank or the piping. Install the floats so that this will not happen.

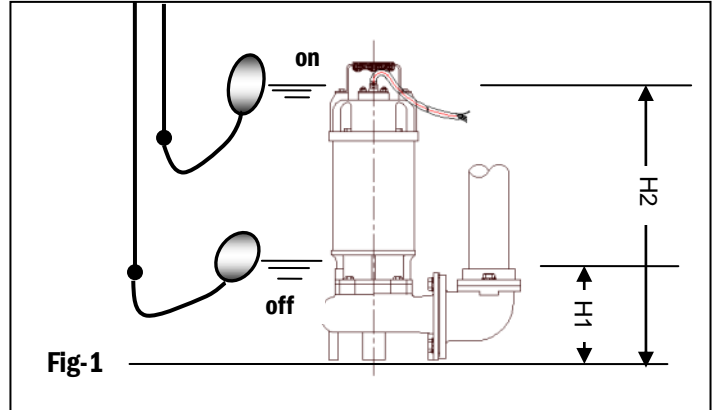


Fig-1

- H1:** Lowest water level (Motor flange)
H2: Operating water level
 This must be above the top of the motor

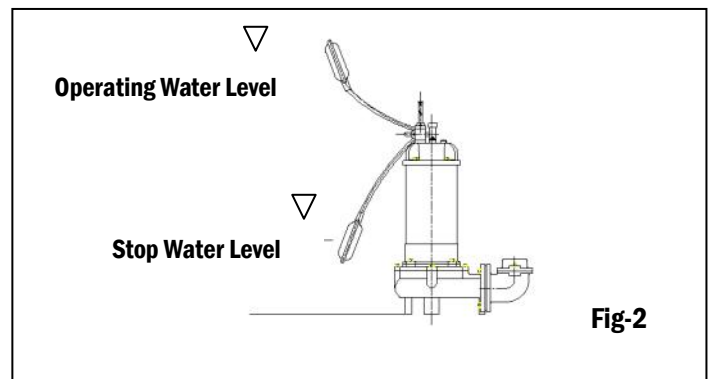


Fig-2

Electrical wiring

1. Wiring

- A. Wire as indicated for the appropriate start system as shown in **Fig-3**.
- B. Loose connections will stop the pump. Make sure all electrical connections secure.

2. Cable

- C. **! WARNING :** Never let the end of the cable contact water.
- D. If the cable is extended, do not immerse the splice in water.
- E. Fasten the cable to the discharge piping with tape or vinyl strips.
- F. Install the cable so that it will not overheat. Overheating caused by coiling the cable and exposing it to direct sunlight.

3. Grounding

As shown in **Fig-4** ground the green wire (label E). Under no circumstances should the green wire be connected to the power supply.

4. **! WARNING :** Use short circuit breakers to prevent danger of electrical shock.

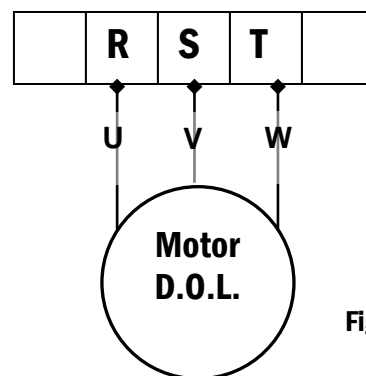


Fig-3

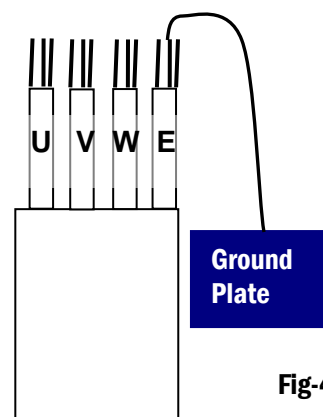


Fig-4

U-phase: red
 V-phase: white
 W-phase: black
 E-phase: green

Operation

1. Before starting the pump

- After completing installation, measure the insulation resistance again as described in Installation.
- Check water level.

If the pump is operated continuously for an extended period of time in a dry condition or at the lowest water level, the motor protector will be activated. Constant repetition of this action will shorten pump service life. Do not start the pump again in such a situation until after the motor has completely cooled.

2. Test operation....

Non-automatic pump

Automatic pump

- Turn the operating switch on and off a couple of times to check for normal pump start.
Floating switch must be raised for the pump to start.
- Next, check direction of rotation. If discharge volume is low or unusual sounds are heard when the pump is operating, rotation has been reversed. When this happens, reverse two of the wires.

Maintenance

Check pressure, output, voltage, current and other specifications. Unusual readings may indicate. Refer to Troubleshooting and correct as soon as possible.

1. Daily Inspections

Check current and ammeter fluctuation daily. If ammeter fluctuation is great, even though within the limits of pump rating, foreign matter may be clogging the pump. If the quantity of liquid discharged falls suddenly, foreign matter may be blocking the suction inlet.

2. Regular inspections

a. Monthly inspections

Measure the insulation resistance. The value should be more than 1M ohm. If resistance starts to fall rapidly even with an initial indication of over 1M ohm, this may be an indication of trouble and repair work is required.

b. Annual inspections

To prolong the service life of the mechanical seal by replacing the oil in the mechanical seal chamber once a year. Water mixed the oil or cloudy textures are indications of a defective mechanical seal requiring replacement. When replacing the oil, lay the pump on its side with filler plug on top. Inject suitable amount turbine oil No.32 (ISO VG-32)

c. Inspections at 3-5year intervals

Conduct an overhaul of the pump. These intervals will preclude the possibility of future trouble.

3. Parts that will need to be replaced

Replace the appropriate part when the following conditions are apparent.

Replaceable part	Mechanical seal	Oil filler plug gasket	Lubricating oil	O-ring
Replacement guide	Whenever oil in mechanical seal chamber is clouded	Whenever oil is replaced or inspected	Whenever clouded or dirty	Whenever pump is overhauled
Frequency	Annually	A half yearly	A half yearly	Annually

Note: above replacement schedule is based on normal operating conditions.

Motor output	0.4HP	0.5HP	1HP	2HP	3HP	5HP	7.5HP
Mechanical seal	12Ø			19.875(3/4")Ø		25Ø	
Oil seal	12Øx 24Øx 7 t			18Øx 35Øx 7 t		25Øx 47Øx 8 t	
Oil filler plug gasket	(Inner diameter) x (outer diameter) x (thickness) =8.5Øx 13Øx 0.8 t PE washer						
Lubricating oil (turbine oil #32)	120 cc		220cc	500 cc		600 cc	

Disassembly and Assembly

1. Disassembly-

When disassembling pump, have a piece of cardboard or wooden board ready to place the different parts on as you work. Do not pile parts on top of each other. They should be laid out neatly in rows. The “O” ring and gasket cannot be used again once they are removed. Have replacement parts ready. Disassemble in the following order, referring to the sectional view.

Be sure to cut off power source beginning disassembly.

- (1) Remove pump casing bolts, raise the motor section and remove pump casing.
- (2) Remove shaft head bolt and impeller.
- (3) Remove oil filler plug and drain lubricating oil.
- (4) Remove intermediate casing bolts and intermediate oil chamber.
(Remember that any lubricating oil remaining in the mechanical seal chamber will flow out.)
- (5) Carefully remove mechanical seal, taking care not to scratch sliding surface or motor shaft.

2. Assembly-

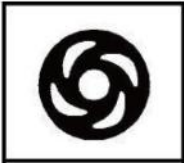
Re-assemble in reverse order of disassembly.

Be careful of the following points.

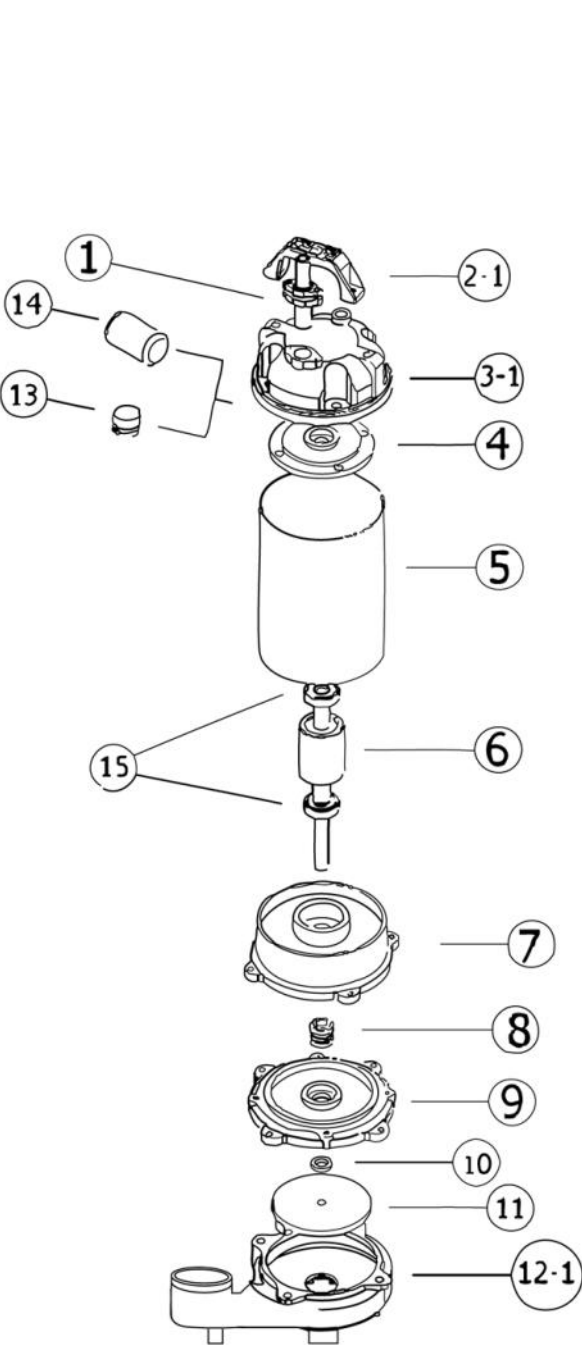
- (1) During re-assembly, rotate the impeller by hand and check for smooth rotation. If rotation is not smooth, perform steps-(3) through -(5) again.
- (2) Upon completion of re-assembly step -(1) rotate the impeller by hand from the suction the suction inlet and check that it rotates smoothly without touching the suction cover before operating the pump.

Please obtain “O” rings, shaft seals and other parts from pump dealer. The table of dimensions is given in “Maintenance”.

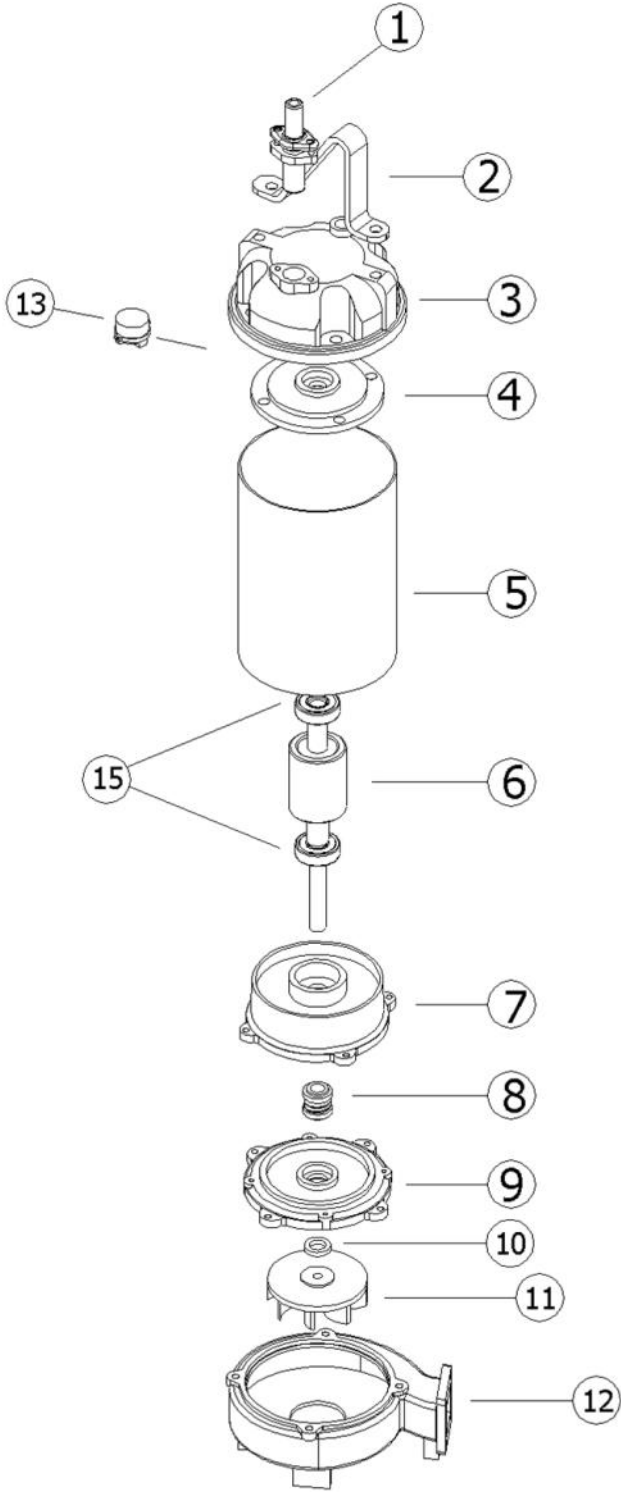
Nameplate format

		STANCOR PUMPS	
STANCOR			
MODEL			
OUTPUT	HP	PHASE	φ
VOLTAGE	V	F.L.A.	A
HEAD	FT	CYCLE	Hz
CAPACITY	GPM	R.P.M.	rpm
SERIAL NO.			
















SE/SV-Material Construction



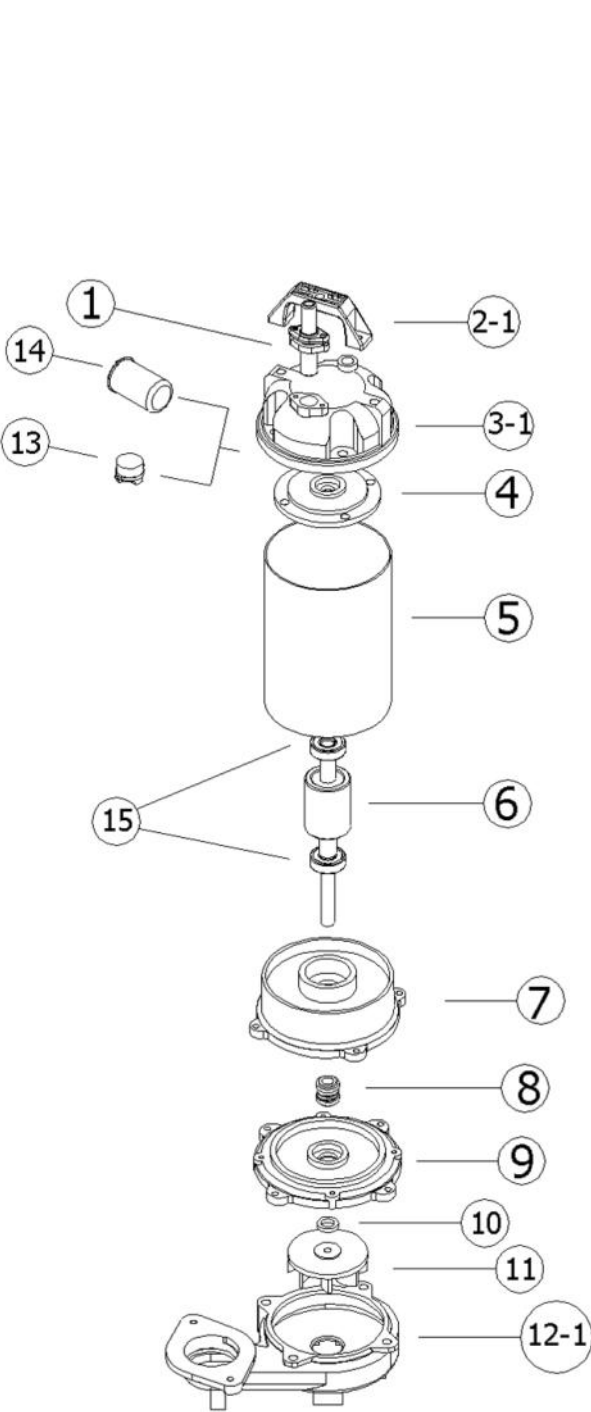
SE-40~100



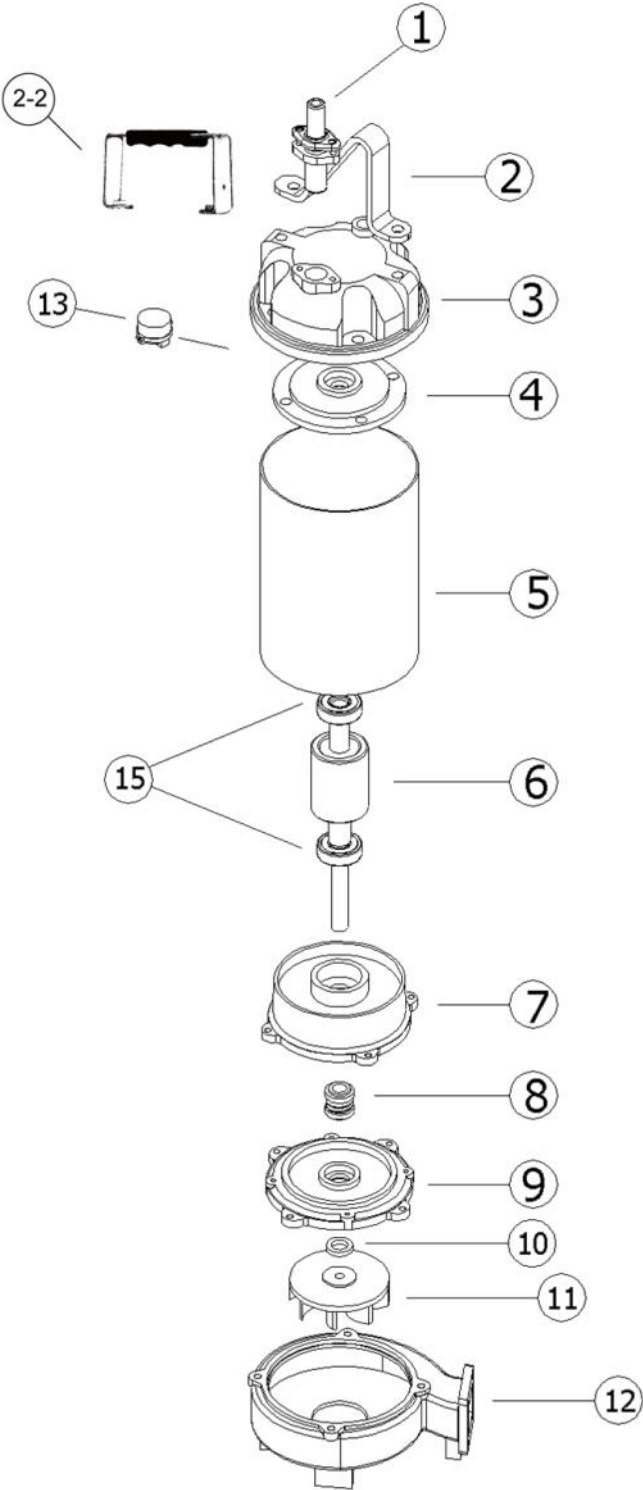
SE/SV-200~750

NO.	Name	Material	Photo	NO	Name	Material	Photo
1	Cable	STOW or STJOW UL cable		8	Mech. Seal (5~7.5HP)	Upper : CA/CE LOWER: SIC/SIC	
2	Handle	SS41		9	Seal Housing	FC-200	
2-1	Handle	Nylon 6		10	Oil Seal	NBR	
3	Motor Cover	FC-200		11	Impeller	FC-200	
3-1	Motor Cover	Nylon 66		12	Pump Casing	FC-200	
4	Bracket	FC-200		12-1	Pump Casing	FC-200	
5	Motor Housing	SUS-304		13	Protector		
6	Rotor			14	Capacitor (Single Phase Only)		
7	Oil Cham-ber	FC-200		15	Bearing		
8	Mech. Seal (0.4~3HP)	Upper : CA/CE LOWER: CA/CE					

















SS-Material Construction



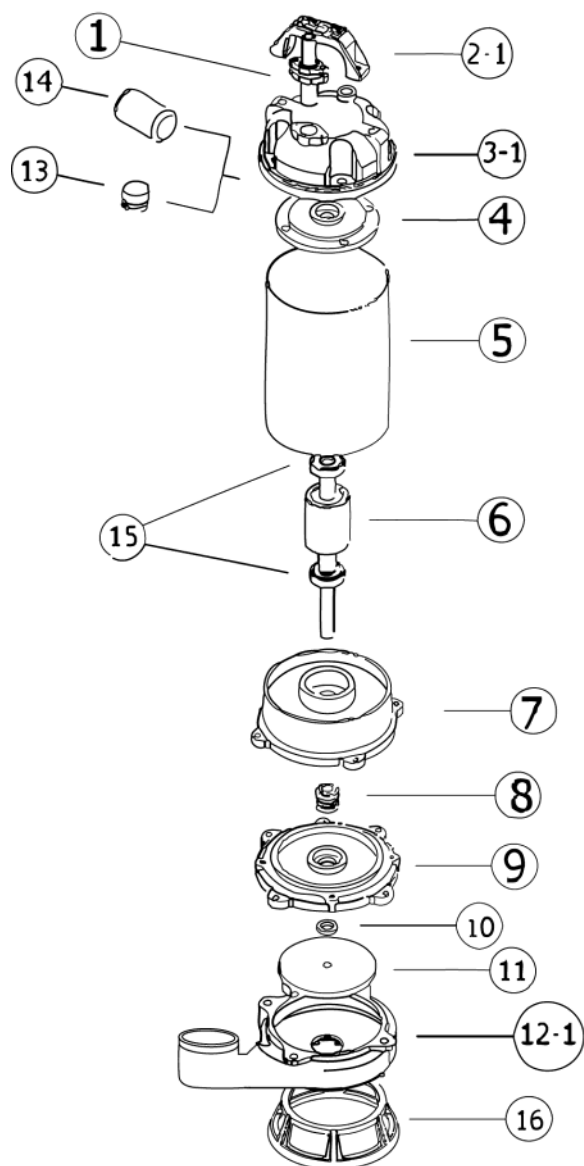
SS-50~100



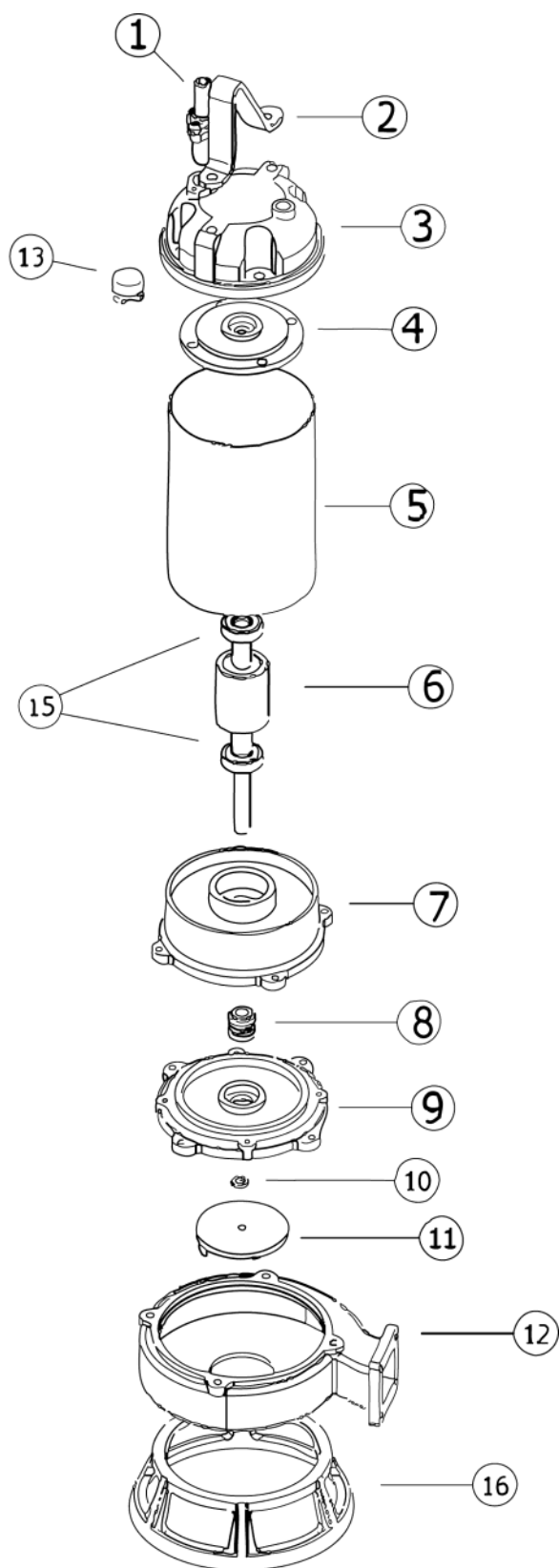
SS-200~750

NO.	Name	Material	Photo	NO	Name	Material	Photo
1	Cable	STOW or STJOW UL cable		8	Mech. Seal	Upper : CA/CE LOWER: SIC/SIC	
2	Handle (5~7HP)	SUS316		9	Seal Housing	SUS316	
2-1	Handle (0.5~1HP)	Nylon 6		10	Oil Seal	Viton	
2-2	Handle (2~3HP)	SUS316		11	Impeller	SUS316	
3	Motor Cover	SUS316		12	Pump Casing	SUS316	
3-1	Motor Cover	SUS316		12-1	Pump Casing	SUS316	
4	Bracket	SUS316		13	Protector		
5	Motor Housing	SUS316		14	Capacitor (Single Phase Only)		
6	Rotor			15	Bearing		
7	Oil Chamber	SUS316					

SC-Material Construction



SC-50~100



SC-200~750

NO.	Name	Material	Photo	NO	Name	Material	Photo
1	Cable	STOW or STJOW UL cable		8	Mech. Seal (5~7.5HP)	Upper : CA/CE LOWER: SIC/SIC	
2	Handle	SS41		9	Seal Housing	FC-200	
2-1	Handle	Nylon 6		10	Oil Seal	NBR	
3	Motor Cover	FC-200		11	Impeller	FCD-450	
3-1	Motor Cover	Nylon 66		12	Pump Casing	FC-200	
4	Bracket	FC-200		12-1	Pump Casing	FC-200	
5	Motor Housing	SUS-304		13	Protector		
6	Rotor			14	Capacitor (Single Phase Only)		
7	Oil Chamber	FC-200		15	Bearing		
8	Mech. Seal (0.4~3HP)	Upper : CA/CE LOWER: CA/CE		16	Strainer	FCD-450	

Troubleshooting

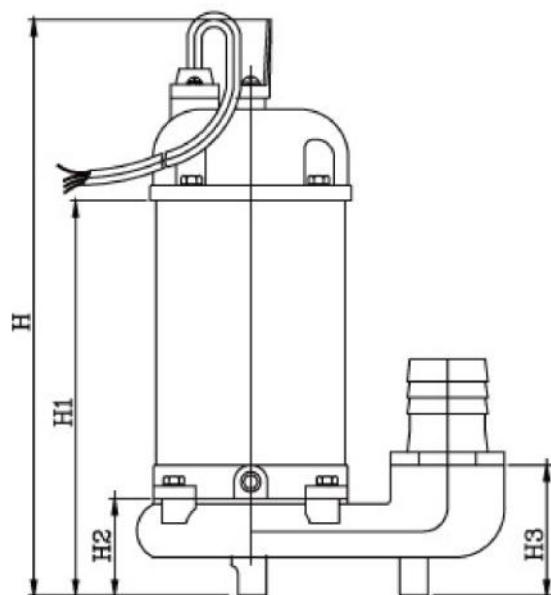
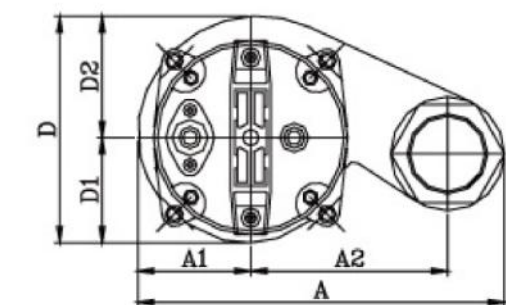
Trouble	Cause	Remedy
Does not start. Starts, but immediately stops.	(1) Power failure	(1)~(3) Contact electric power company and devise counter-measures
	(2) Large discrepancy between power source and voltage	
	(3) Significant drop in voltage	
	(4) Motor phase malfunction	(4) Inspect electric circuit
	(5) Electric circuit connection faulty	(5) Correct wiring
	(6) Faulty connection of control circuit	(6) Inspect connections and magnetic switch
	(7) Fuse blown	(7) Replace with correct type of fuse
	(8) Faulty magnetic switch	(8) Replace with correct one
	(9) Water is not at level indicated by Float	(9) Raise water level
	(10) Float is not in appropriate level	(10) Adjust the position of float
	(11) Float effective	(11) Repair or replace
	(12) Short circuit breaker is functioning	(12) Repair location of short circuit
	(13) Foreign matter clogging pump	(13) Remove foreign matter
	(14) Motor burned out	(14) Repair or replace
	(15) Motor bearing broken	(15) Repair or replace
Operates, but stops after a while.	(1) Prolonged dry operation has activated motor protector and caused pump to stop	(1) Raise stop water level
	(2) High liquid temperature has activated motor protector and caused pump to stop	(2) Lower liquid temperature
	(3) Reverse rotation	(3) Correct rotation
Does not pump. Inadequate volume.	(1) Reverse rotation	(1) Correct rotation (see Operation)
	(2) Significant drop in voltage	(2) Contact electric power company and devise counter-measures
	(3) Operating a 60Hz pump on 50Hz	(3) Check nameplate
	(4) Discharge head is high	(4) Recalculate and adjust
	(5) Large piping loss	(5) Recalculate and adjust
	(6) Low operating water level causes air suction	(6) Raise water level or lower pump
	(7) Leaking from discharge piping	(7) Inspect, repair
	(8) Clogging of discharge piping	(8) Remove foreign matter
	(9) Foreign matter in suction inlet	(9) Remove foreign matter
	(10) Foreign matter clogging pump	(10) Remove foreign matter
	(11) Worn impeller	(11) Replace impeller
Over current	(1) Unbalanced current and voltage	(1) Contact electric power company and devise counter-measure
	(2) Significant voltage drop	(2) Contact electric power company and devise counter-measure
	(3) Motor phase malfunction	(3) Inspect connections and magnetic switch
	(4) Operating 50Hz pump on 60Hz	(4) Check nameplate
	(5) Reverse rotation	(5) Replace pump with low head pump
	(6) Low head. Excessive volume of water	(6) Remove foreign matter
	(7) Foreign matter clogging pump	(7) Replace bearing
	(8) Motor bearing is worn or damaged.	
Pump vibrates; excessive operating noise.	(7) Motor bearing is worn or damaged	(1) Correct rotation
	(2) Pump clogged with foreign matter	(2) Disassemble and remove foreign matter
	(3) Piping resonates	(3) Improve piping
	(4) Gate valve is closed too far	(4) Open gate valve

F.L.A

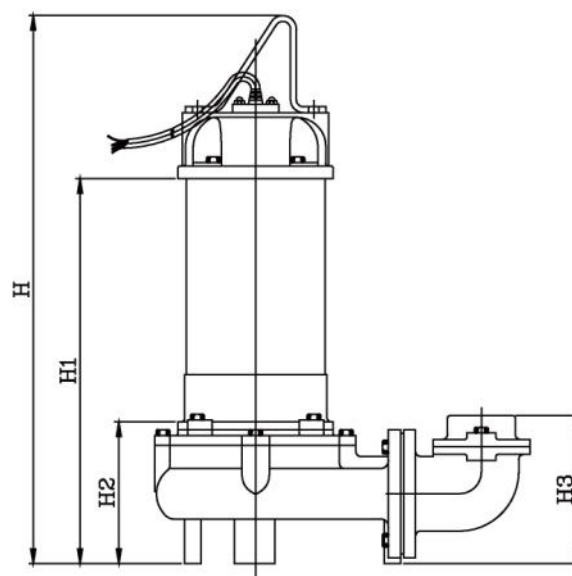
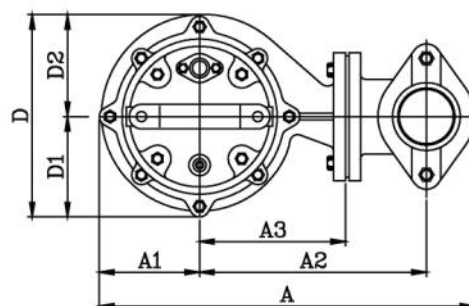
Model	Item	HP	HZ	Phase		Voltage				Amp
				1	3	110V	230V	380V	415V	
SC	SC-50	0.5HP	50HZ	v		v				8
				v			v			4
					v		v			2
					v			v		1
	SC-100	1HP	50HZ	v		v				12
				v			v			6
					v		v			3
					v			v		1.8
					v				v	1.8
	SC-200	2HP	50HZ	v			v			11.3
					v		v			6
					v			v		3.5
					v				v	3.3
	SC-300	3HP	50HZ		v		v			9
					v			v		5.2
					v				v	5.7
	SC-500	5HP	50HZ		v		v			15
					v			v		8.6
					v				v	8.6
	SC-750	7.5HP	50HZ		v		v			21
					v			v		12
					v				v	12
	SC-50A	0.5HP	50HZ	v		v				8
				v			v			4
	SC-100A	1HP	50HZ	v		v				12
				v			v			6
	SC-200A	2HP	50HZ	v			v			11.3

Model	Item	HP	HZ	Phase		Voltage				Amp
				1	3	110V	230V	380V	415V	
SE/SV/SS	SE-40	0.4HP	50HZ	v		v				4.6
				v			v			2.3
	SE/SS-50	0.5HP	50HZ	v		v				8
				v			v			4
					v		v			2
					v			v		1.2
	SE/SV/SS-100	1HP	50HZ	v		v				12
				v			v			6
					v		v			3
					v			v		1.8
					v				v	1.8
	SE/SV/SS-200	2HP	50HZ	v			v			11.3
					v		v			6
					v			v		3.5
					v				v	3.3
	SE/SV/SS-300	3HP	50HZ		v		v			9
					v			v		5.2
					v				v	5.7
	SE/SV/SS-500	5HP	50HZ		v		v			15
					v			v		8.6
					v				v	8.6
	SE/SV/SS-750	7.5HP	50HZ		v		v			21
					v			v		12
					v				v	12
	SE-40A	0.4HP	50HZ	v		v				4.6
				v			v			2.3
	SE/SS-50A	0.5HP	50HZ	v		v				8
				v			v			4
	SE/SV/SS-100A	1HP	50HZ	v		v				12
				v			v			6
	SE/SV/SS-200A	2HP	50HZ	v			v			11.3

SE/SV-Series Dimensions



SE-40~100



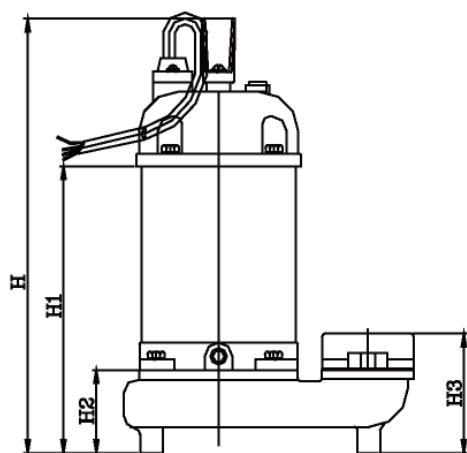
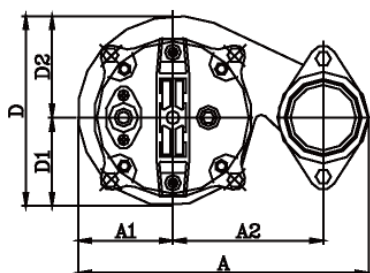
SE/SV-200~750

Dimensions (mm)

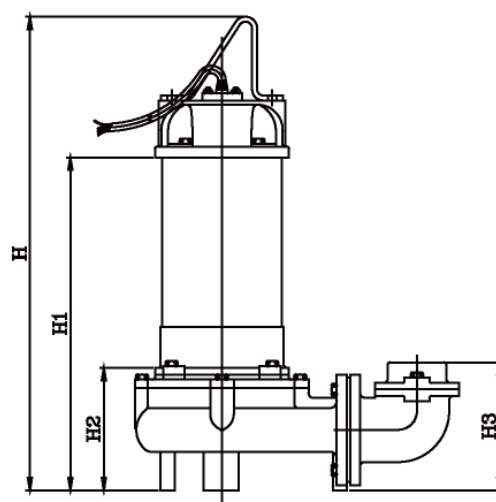
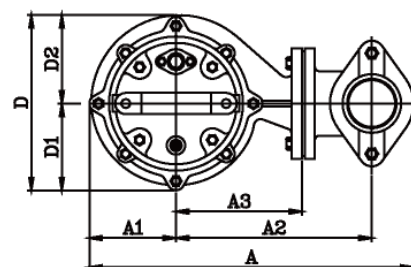
Type	A	A1	A2	A3	D	D1	D2	H	H1	H2	H3
SE-40	231	72	132	NA	145	66	78	396	266	110	110
SE-50	231	72	132	NA	145	66	78	421	291	110	110
SE-100	231	72	132	NA	145	66	78	496	339	110	110
*SE/SV-100	312	82	183	101	163	76	87	494	351	124	156
SE/SV-200	390	103	235	151	210	105	105	532	400	150	152
SE/SV-300	390	103	235	151	210	105	105	552	420	150	152
SE/SV-500	470	110	257	170	218	98	120	633	468	160	206
SE/SV-750	470	110	257	170	218	98	120	673	508	160	206

> *SE/SV-100 : Elbow Type (Optional)

SS-Series Dimensions



SS-50~100

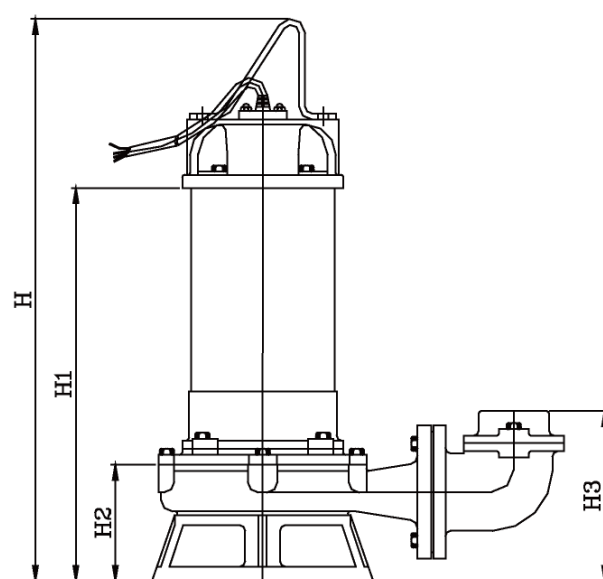
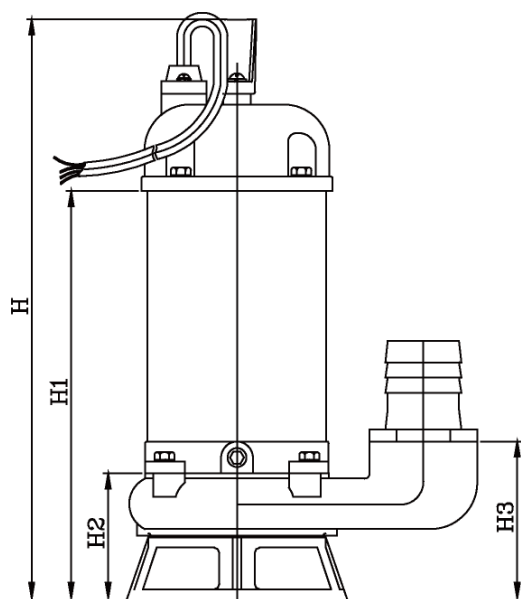
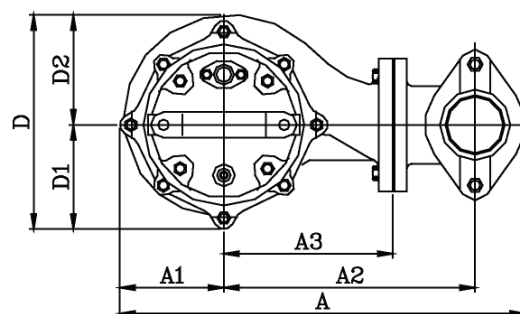
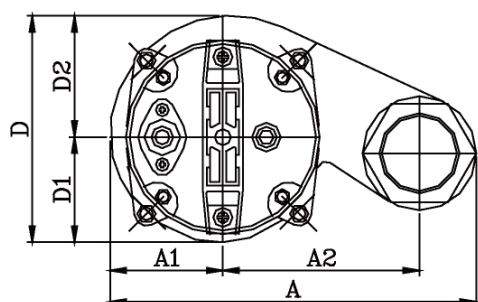


SS-200~750

Dimensions (mm)

Type	A	A1	A2	A3	D	D1	D2	H	H1	H2	H3
SS-50	228	73	155	NA	150	69	81	412	297	117	138
SS-100	228	73	155	NA	150	69	81	442	327	117	138
SS-200	390	103	235	151	210	105	105	532	400	150	152
SS-300	390	103	235	151	210	105	105	552	420	150	152
SS-500	471	100	274	178	212	96	116	633	468	160	225
SS-750	471	100	274	178	212	96	116	673	508	160	225

SC-Series Dimensions




SC-50~100

SC-200~750

Dimensions (mm)

Type	A	A1	A2	A3	D	D1	D2	H	H1	H2	H3
SC-50	253	95	158	NA	190	95	95	410	285	106	126
SC-100	253	95	158	NA	190	95	95	480	333	106	126
SC-200	408	108	250	168	217	108	109	560	390	115	168
SC-300	408	108	250	168	217	108	109	580	410	115	168
SC-500	457	110	255	167	227	110	117	610	445	137	225
SC-750	457	110	255	167	227	110	117	650	485	137	225

The background of the page features a large, stylized graphic of the letter 'S' in green. The 'S' is composed of several concentric, slightly offset shapes, creating a sense of depth and movement. The top left corner of the page is a solid yellow color, which transitions into the green of the 'S'. The overall design is modern and clean.

STANCOR, INC., 515 Fan Hill Rd., Monroe, CT
06468
Phone : (203) 268-7513
Fax : (203) 268-7958
<http://stancorpumps.com>